

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-000770

(43)Date of publication of application : 06.01.1995

(51)Int.Cl.

B01D 63/02

B01D 65/02

(21)Application number : 05-145823

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(22)Date of filing : 17.06.1993

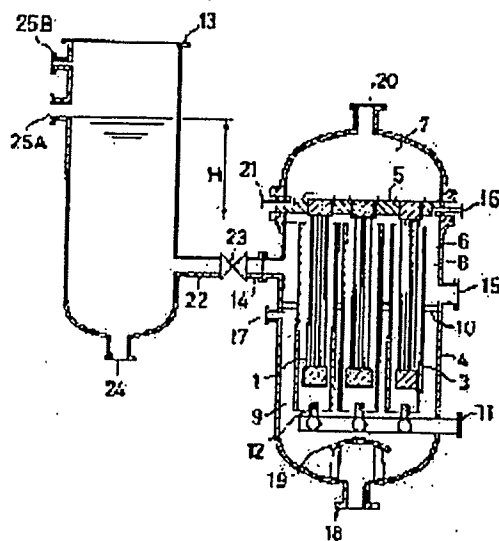
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## (54) HOLLOW-FIBER MEMBRANE FILTER AND ITS CLEANING METHOD

### (57)Abstract:

**PURPOSE:** To obtain a hollow-fiber membrane filter with the differential pressure recovery rate enhanced and the service life prolonged and capable of filtering even a difficult-to-filtrate water.

**CONSTITUTION:** A filter 11 is divided by a tube plate 5 into a treated water section 6 and a filtration water section 7. A hollow-fiber membrane module 1 formed by bundling many hollow-fiber membranes is suspended from the tube plate 5. The treated water section 6 is divided by a partition plate 10 into an upper section 8 and a lower section 9. A cylinder 3 for protecting the module 1 is fixed to the partition plate 10. A bubble injection nozzle 12 is provided below the cylinder 3. A head tank 13 communicating with the upper section 8 and having a head difference H from the upper end of the cylinder 3 to about 1/2 of the length of the membrane 1 is furnished.



## LEGAL STATUS

[Date of request for examination] 30.08.1999

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than